

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)
2. (Canceled)
3. (Currently Amended) ~~The~~ An extreme ultraviolet light source target ~~according to Claim 1, characterized in that wherein~~ the extreme ultraviolet light source target ~~is~~ is made of heavy metal or heavy-metal compound, and a density of the heavy metal or the heavy-metal compound is 0.5% to 80% of a crystal density of the heavy metal or the heavy-metal compound.
4. (Currently Amended) The extreme ultraviolet light source target according to claim 3, ~~eharacterized in that wherein~~ the heavy metal is ~~one among~~ selected from the group consisting of Ge, Zr, Mo, Ag, Sn, La, Gd and W, or the heavy-metal compound is ~~one among~~ selected from the group Ge, Zr, Mo, Ag, Sn, La, Gd and W.
5. (Currently Amended) The extreme ultraviolet light source target according to claim 4, ~~eharacterized in that wherein~~ the heavy metal is Sn or the heavy-metal compound is SnO₂.
6. (Currently Amended) The extreme ultraviolet light source target according to ~~—Claim 1,~~ claim 3, ~~eharacterized in that wherein~~ the target is shaped as a tape.
7. (Currently Amended) The extreme ultraviolet light source target according to ~~—Claim 1,~~ claim 3, ~~eharacterized in that wherein~~ the extreme ultraviolet light source target is made of frost of a gas target having a density 0.5 to 80% that of a solid of the gas target.
8. (Currently Amended) A method of generating extreme ultraviolet light, ~~eharacterized in that~~ comprising irradiating the extreme ultraviolet light source target according to ~~—Claim 1~~ claim 3 ~~is irradiated~~ with a laser beam.

9. (Currently Amended) An extreme ultraviolet light source, ~~characterized by~~ comprising the extreme ultraviolet light source target according to ~~Claim 1~~ claim 3 and a laser light source irradiating the target with a laser beam.
10. (Currently Amended) The extreme ultraviolet light source according to claim 9, ~~characterized in that~~ wherein the laser light source is a light source which emits a fundamental wave or a harmonic wave of YAG laser or excimer laser.
11. (Previously Presented) An extreme ultraviolet light source comprising:
- a hopper having an outlet from which frost can be discharged;
 - a freezing machine for cooling the hopper;
 - a heater which can heat a wall of the hopper intermittently; and
 - a vacuum chamber for keeping around the hopper in a vacuum state and having a first window for guiding a laser beam from the outside to the vicinity of the outlet, and a second window for taking out extreme ultraviolet light.
12. (Currently Amended) The extreme ultraviolet light source according to claim 11, ~~characterized in that~~ wherein the heater works with the principle of high-frequency discharge.
13. (Currently Amended) The extreme ultraviolet light source according to claim 12, ~~characterized in that~~ wherein a plurality of discharge electrodes of the heater are provided in an outer circumference of the hopper.
14. (Currently Amended) The extreme ultraviolet light source according to ~~Claim~~ claim 11, ~~characterized in that~~ wherein the extreme ultraviolet light source further comprises a bladed wheel having a plurality of blades radiating outward and rotatably fixed to the hopper just above the outlet, and in that the hopper is formed cylindrically just above the outlet so as to surround the bladed wheel.

15. (Withdrawn-Currently Amended) A method of manufacturing an extreme ultraviolet light source target, ~~characterized in that~~wherein a density of the heavy-metal oxide of the target is made to be 0.5% to 80% of a crystal density of a heavy-metal oxide,

with a process comprising:

~~a step of~~ manufacturing a gel containing a heavy-metal oxide by solving a heavy-metal chloride in dehydrated alcohol and mixing this with water; and

~~a step of~~ drying the gel.

16. (Withdrawn-Currently Amended) A method of manufacturing an extreme ultraviolet light source target, ~~characterized in that~~wherein a density of the heavy-metal oxide of the target is made to be 0.5% to 80% of a density of a heavy-metal oxide crystal

with a process comprising:

~~a step of~~ manufacturing a gel containing a heavy-metal oxide by solving a heavy-metal chloride in dehydrated alcohol and mixing this with water; and

~~a step of~~ forming a target by mixing the gel with nanoparticles of polystyrene and heating the gel to a temperature which is 240°C or more but below a decomposition temperature of the heavy-metal oxide.

17. (Withdrawn-Currently Amended) The method of manufacturing of the extreme ultraviolet light source target according to ~~Claim claim~~ 15, ~~characterized in that~~wherein the heavy-metal chloride is SnCl₄.

18. (Currently Amended) The extreme ultraviolet light source target according to ~~claim 1,~~ claim 3, ~~characterized in that~~wherein the extreme ultraviolet light source target is a solid body of heavy metal or heavy-metal compound including voids.

19. (Currently Amended) The extreme ultraviolet light source target according to ~~claim 1,~~ claim 3, ~~characterized in that~~wherein the extreme ultraviolet light source target is an aerogel body of heavy metal or heavy-metal compound.

20. (Withdrawn-Currently Amended) The method of manufacturing of the extreme ultraviolet light source target according to ~~claim 15~~ claim 16, ~~characterized in that~~ wherein the heavy-metal chloride is SnCl_4 .